TRANSATLANTIC ISO 10303 AP239
Product Life Cycle Support
Aviation Systems Breakout Group

Feb. 15-16, 2006

Walk Away with…

1) Identify other efforts, share experiences
2) Identification and sharing of generic tools and toolsets (e.g., implementation plan, communication plan, management tools, etc.)
3) General training for PLCS
4) Support teams for implementation
5) Logical extensions to the infrastructure would include parts provisioning data and engineering design data
6) Possibility to leverage existing structures or new working group, such as international industry groups (AIA, ATA, ASD) to advance/develop
   - Business standards/implementation processes
7) How to utilize in future maintenance and logistics environment
8) Is PLCS the future? How to convince leadership driven by business sense.
   - How to transition from 1388 –2B to PLCS (other legacy systems)?
   - How to describe PLCS for management

Walk Away with…

9) Extract data from pilots/implementations enabled by PLCS to support extrapolation for business case
10) Understand how PLCS relates to IUID
11) Understand how PLCS relates to DoD requirements for accountability, reporting
12) How do DEXs relate to other commercial standards (e.g., X-12, CICA XML); why OASIS?
13) Will there be redundancy in transactions updating the Registry?
14) Bi-directional, single data transactions between qualified trading partners associated with item – parsed by customers as needed (e.g., IUID Registry, 2410, NALCOMIS, G081, DPAS, contractor systems, etc.),
15) Need for DoD PLCS CONOPs
    - As much detail as possible within context of DoD
16) Establish communication methodology to share information
    - OASIS

Walk Away with…

17) Harmonized suite of standards (PLCS, S1000D, etc.)
18) Can it replace CDRL requirements?
19) Need to protect data (who can get the data, firewall protection)
    1) Forthcoming DAR Council Case for IP
20) Strategic vision for PLCS/UID
    1) Develop Product_as_Individual (UII and pedigree, Registry capability)
    2) Develop As-Built lists within PLCS that map to DoD systems
    3) Develop As-Maintained lists within PLCS that map to DoD systems
        1) Metrics: programs engaged, reduction in workload, reduced data entry errors
21) Just exchanging data with customers is not enough – need visibility into database on usage/status of items (bi-directional)
22) Shift from paper to electronic logs
23) How does this fit into an enterprise architecture/SOA/net-centricity?
    1) For UID - need parent/child relationship in Registry (via digital

Walk Away with…

24) Identify barriers to PLCS implementation
    1) Policy
    2) Deployment must be evolutionary
    3) Definition/training/education
    4) Marketing
    5) Technical/experience

Opportunities

1) Expand ELITE to include additional contractors in the PLCS data exchange
    1) Boeing (Steve Winship)
        1) CH-47, Apache
    2) Bell (Carolyn Tobin)
        1) TBD
2) Design CDRL that recognizes Sikorsky data exchange
    1) International Stds group for 3D digital data (King Yee send link to James/Rob L.)
3) PBL operations within Services (feedback to contractors)
4) Provide input/existing data sets for warrantee and ITAR (for IUID Registry), such as Dept. of Commerce information (AIA)
5) Make sure Registry is compatible with PLCS
6) Working group to focus on contract data requirements (concern about how it integrates with legacy systems, ERP systems; use of MOUs; bi-directional exchange) - add to contracts-writing working group (Dominic)
7) Leverage parallel effort at National Archives that will use PLCS

Action Items

1) Provide implementation guidance documentation/tools/references (incl. SAP PLCS mapping) – Rob B.
   - http://pdesinc.aticorp.org (ROI white paper)
2) To the extent possible pull together business case data/examples (w/in next 30 days)– send to James C.
3) Develop PLCS for dummies – Keane
4) Follow up with Bell Helicopters to possibly expand ELITE effort – Carolyn T. & Charlie L.
5) Develop executive level PLSC briefing – Jim G. & Charlie L.
6) Connect Army with Air Force & Navy on GE engine support/data transactions – Dana P. & Tom Dills/Maryann K., & Jim Mays

Breakout Group Agenda

- Introductions
  - Who are you, What do you do, What would you like to walk away with?
- Objectives/Activities
  - Identify target-rich environments where PLCS offers opportunities to improve maintenance data exchange
    - Starting list of lifecycle opportunities
  - Review current DEX development
    - DEX summary information
    - ELITE Website
  - Brainstorm opportunities for application of PLCS within Defense
    - Consider common platforms that may lend themselves to exploring data management for common assets
  - Discuss Collaborative Opportunities
    - Foster teaming and identify resources
- Develop report for larger group (opportunities, lessons learned, issues)

Breakout Group Topics

- How is data managed for common assets?
  - How much similarity exists?
- What data is common for all assets?
- What is industry's perspective?
- What data is specific to this environment (Aviation, Land, Sea)?
- What are the management implications/opportunities of adopting PLCS?
  - New data item descriptions (DIDs)
  - Paper to digital conversion
  - Business Rules for PBL environments
    - Intellectual property issues with 2-way data exchange
    - Security
    - Contract provisions
- Using PLCS beyond Maintenance
  - Overarching management of data associated with assets